

LISTING OF THE CLAIMS

1. - 21. (Canceled)

22. (Currently Amended) A composition for separating analytes by capillary electrophoresis, the composition comprising:

a charge-carrying component; and

a surface interaction component comprising one or more polymers selected from the group consisting of N,N-disubstituted polyacrylamide and N-substituted polyacrylamide, wherein said N substituents are selected from the group consisting of C₁ to C₃ alkyl, halo-substituted C₁ to C₃ alkyl, methoxy-substituted C₁ to C₃ alkyl, and hydroxyl-substituted C₁ to C₃ alkyl;

~~wherein the charge carrying component and the surface interaction component are the same or different; and~~

wherein the composition does not include a crosslinked polymer gel.

23. (Previously Presented) The composition of Claim 22 wherein the composition has a viscosity of less than 5000 centipose at 25°C.

24. (Previously Presented) The composition of Claim 22 wherein the surface interaction component is poly(N,N-dimethylacrylamide).

25. (Previously Presented) The composition of Claim 22 further including a denaturant.

26. (Previously Presented) The composition of Claim 25 wherein the denaturant is selected from the group consisting of formamide, urea, and pyrrolidone.

27. (Previously Presented) The composition of Claim 26 wherein the denaturant is pyrrolidone.

28. (Currently Amended) A composition for separating analytes by capillary electrophoresis, the composition comprising:

a charge-carrying component; and

a surface interaction component comprising N,N-disubstituted polyacrylamide, wherein N substituents are selected from the group consisting of C₁ to C₃ alkyl, halo-substituted C₁ to C₃ alkyl, methoxy-substituted C₁ to C₃ alkyl, and hydroxyl-substituted C₁ to C₃ alkyl;

~~wherein the charge-carrying component and the surface interaction component are the same or different; and~~

wherein the composition does not include a crosslinked polymer gel.

29. (Currently Amended) A composition for separating analytes by capillary electrophoresis, the composition comprising:

a charge-carrying component; and

a surface interaction component comprising N-substituted polyacrylamide, wherein N substituents are selected from the group consisting of C₁ to C₃ alkyl, halo-substituted C₁ to C₃ alkyl, methoxy-substituted C₁ to C₃ alkyl, and hydroxyl-substituted C₁ to C₃ alkyl;

~~wherein the charge-carrying component and the surface interaction component are the same or different; and~~

wherein the composition does not include a crosslinked polymer gel.